

# Identifier Assignment Plugins

See also: [Writing Registry Plugins](#) and [Configuring Registry Identifier Assignment](#)



Identifier Assignment Plugins are *Experimental*, and the interface is subject to change in a future release.

## Plugin Requirements

1. The name of the Plugin should match the format `FooAssigner`.
2. The Plugin should implement a `FooAssigner` model.
3. The Plugin must implement an assignment routine in the `FooAssigner` model, as described below.

## Instantiation

Identifier Assignment Plugins are not currently instantiated, and will be available globally once installed.


## Assignment

The Plugin must implement an assignment routine in the `FooAssigner` model, with the following signature:

```
public function assign($coId, $context, $recordId, $identifierType, $emailType=null)
```


where

- **cold**: The CO to assign the identifier within.
- **context**: The context for assignment, an `IdentifierAssignmentContextEnum`.
- **recordId**: The record ID (of the type indicated by the context) to assign an identifier for.
- **identifierType**: The identifier type to assign.
- **emailType**: If not null, the email type to assign.

 Plugins will be called within a database transaction.

## Return Values

`assign()` should return the new identifier as a string, or throw an `Exception` on error.

 The plugin will be called once to generate a unique identifier. If the identifier returned is already known to Registry, or any other error occurs, the assignment process will fail.